

Appendix 8: Effects of deprivation on treatment, mediated via stage

Deprivation	Total effect			Effect via stage			Proportion mediated via stage (PM) <sup>§</sup>			PM from sensitivity analysis*		
	OR	LCI	UCI	OR	LCI	UCI	PM	LCI	UCI	PM	LCI	UCI
<i>Least deprived</i>	<i>Baseline</i>											
2	1.05	( 0.97 - 1.14 )		1.07	( 1.04 - 1.11 )		1.35	( -29.69 - 32.40 )		4.96	( -49.69 - 59.62 )	
3	0.94	( 0.86 - 1.02 )		0.98	( 0.95 - 1.02 )		0.24	( -15.44 - 15.93 )		1.56	( -28.00 - 31.12 )	
4	0.97	( 0.89 - 1.05 )		1.03	( 0.99 - 1.07 )		-0.83	( -20.35 - 18.68 )		-1.28	( -15.02 - 12.47 )	
<i>Most deprived</i>	0.94	( 0.87 - 1.02 )		0.91	( 0.88 - 0.94 )		1.49	( -60.46 - 63.44 )		-0.66	( -7.51 - 6.19 )	

§ The null hypothesis is 0, i.e. no effect is mediated via the mediator(s). A PM of 1 means that all of the total effect is mediated via the mediator(s)

\* Sensitivity analysis: both age and stage at diagnosis are considered as mediators together